



```

LL      IIIIII  BBBB BBBB  RRRRRRRR  AAAAAA  RRRRRRRR  IIIIII  AAAAAA  NN  NN
LL      IIIIII  BBBB BBBB  RRRRRRRR  AAAAAA  RRRRRRRR  IIIIII  AAAAAA  NN  NN
LL      II      BB      BB  RR      RR  AA      AA  RR      RR  II      II  AA      AA  NN  NN
LL      II      BB      BB  RR      RR  AA      AA  RR      RR  II      II  AA      AA  NN  NN
LL      II      BB      BB  RR      RR  AA      AA  RR      RR  II      II  AA      AA  NN  NN
LL      II      BB      BB  RRRRRRRR  AA      AA  RRRRRRRR  II      II  AA      AA  NN  NN
LL      II      BBBB BBBB  RRRRRRRR  AA      AA  RRRRRRRR  II      II  AA      AA  NN  NN
LL      II      BB      BB  RR      RR  AAAAAAAAAA  RR      RR  AAAAAAAAAA  II      II  AAAAAAAAAA  NN  NN
LL      II      BB      BB  RR      RR  AAAAAAAAAA  RR      RR  AAAAAAAAAA  II      II  AAAAAAAAAA  NN  NN
LL      II      BB      BB  RR      RR  AA      AA  RR      RR  II      II  AA      AA  NN  NN
LL      II      BB      BB  RR      RR  AA      AA  RR      RR  II      II  AA      AA  NN  NN
LLLLLLLLLLLL  IIIIII  BBBB BBBB  RR      RR  AA      AA  RR      RR  IIIIII  AA      AA  NN  NN
LLLLLLLLLLLL  IIIIII  BBBB BBBB  RR      RR  AA      AA  RR      RR  IIIIII  AA      AA  NN  NN

```

  

```

CCCCCCCC  LL      DDDDDDDD
CCCCCCCC  LL      DDDDDDDD
CC      LL      DD      DD
CC      LL      DD      DD
CC      LL      DD      DD
CC      LL      DD      DD
CC      LL      DD      DD
CC      LL      DD      DD
CC      LL      DD      DD
CC      LL      DD      DD
CC      LL      DD      DD
CCCCCCCC  LLLLLLLLLL  DDDDDDDD
CCCCCCCC  LLLLLLLLLL  DDDDDDDD

```

Version: 'V04-000'

V03-008 GJA0092 Greg Awdziewicz 25-Jul-1984  
- Reverse the nonnegatable mistake. Only qualifiers  
which require values should be nonnegatable.

V03-007 MCN0143 Maria del C. Nasr 29-Jun-1984  
Make nonnegatable, qualifiers that should be so. Add  
the /DATA qualifier with keywords EXPAND and COMPRESS  
to do the data reduction work. Eliminate REDUCE  
option from /COMPRESS.

V03-006 JWT0124 Jim Teague 16-Jun-1983  
/EXTRACT requires a value; /ONLY doesn't necessarily  
need /LIST.

V03-005 JWT0120 Jim Teague 18-May-1983  
Remove some disallow clauses.

V03-004 JWT0103 Jim Teague 06-Apr-1983  
Mutual exclusion final touches to new cli interface.  
Remove prefixes and outputs; squeeze becomes default  
as stated by documentation.

V03-003 PCA1008 Paul C. Anagnostopoulos 10 Feb 1983  
Merge the outputs list for DCL and MCR, because the CDU no  
longer supports different lists.

V03-002 JWT0060 Jim Teague 20-Oct-1982  
Need to rearrange the new reduce keyword.

V03-001 JWT0056 Jim Teague 19-Oct-1982  
Add REDUCE keyword to /COMPRESS qualifier.

```
define syntax library_only
  parameter p1,prompt='Library',value(required,type=$infile)
```

```
define syntax optional_files
  parameter p1,prompt='Library',value(required,type=$infile)
  parameter p2,prompt='File',value(list,impcat,type=$infile)
```

```
define syntax library_using_lbr
  image backtrans
```

```
define type create_options
  keyword blocks,      value(required)
  keyword globals,     value(required)
  keyword modules,     value(required)
  keyword keysize,     value(required)
  keyword history,     value(required)
  keyword version,     value(required)
```

```
define type compress_options
```



keyword blocks,	value(required)
keyword globals,	value(required)
keyword modules,	value(required)
keyword keysize,	value(required)
keyword history,	value(required)
keyword version,	value(required)
keyword keep	

```
define type cross_options
```

```
keyword all
keyword module
keyword none
keyword symbol
keyword value
```

```
define type data_options
```

```
keyword reduce
keyword expand
```

```
define verb library
```

```
image librarian
parameter p1,prompt="Library",value(required,type=$infile)
parameter p2,prompt="File",value(required,list,impcat,type=$infile)
qualifier compress, value(list,type=compress_options),
syntax=library_only
qualifier create, value(list,type=create_options),
syntax=optional_files
qualifier data, value(required,type=data_options),
syntax=library_only,nonnegatable
qualifier delete, value(required,list),
syntax=optional_files,nonnegatable
qualifier extract, value(required,list),
syntax=library_only,nonnegatable
qualifier insert
qualifier list, value(type=$outfile),
syntax=optional_files
qualifier remove, value(required,list),
syntax=optional_files,nonnegatable
qualifier replace
qualifier macro
qualifier object
qualifier output, value(type=$outfile),default
qualifier names
qualifier full
qualifier globals, default
qualifier rx11, syntax=library_using_lbr
qualifier selective_search
qualifier squeeze, default
qualifier log
qualifier width, value(required),nonnegatable
qualifier cross_reference,value(list,type=cross_options),
syntax=library_only
qualifier only, value(required,list)
qualifier help
qualifier text
qualifier modules, value(required,list),placement=local
```

```
qualifier share
qualifier history
qualifier before, value(default=today, type=$datetime)
qualifier since, value(default=today, type=$datetime)
disallow ( extract and ( compress or create or delete or insert or
                        list or remove or replace or names or
                        full or globals or selective_search or
                        squeeze or cross_reference or width ) )
disallow ( compress and create )
disallow ( cross_reference and ( list or macro or help or text or
                                before or since or history ) )
disallow ( any2 ( help , share , text , macro , object ) )
disallow ( ( full or names or history or before or since )
          and not list )
disallow ( ( remove or names or globals ) and
          ( text or help or macro ) )
```



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			BACKUP CLD		DELTABLES CLD	DISMOUNT CLD	ENCRYPT CLD						REPLY CLD	
	CLD			CREATE CLD					MCRINT CLD				SET CLD	
	DELTABLES MAP				DEF CLD	DNO CLD		LIBRARIAN CLD			PASCAL CLD	RUN CLD		
		ACC CLD	BAD CLD											
				DCLINT CLD	DELETE CLD	DUMP CLD	EXCHANGE CLD			MORTABLES CLD	PATCH CLD			
			CHECKSUM CLD											
		ANALYZE CLD				EDIT CLD	FORTRAN CLD	LINK CLD		MESSAGE CLD	PHONE CLD			
			CLISYMI CLD						MCRSET CLD			RUNOFF CLD		
PSECTS R32					DIFF CLD									
	MORTABLES MAP		CONVERT CLD				HELP CLD	MACRO CLD			MONITOR CLD	RECOVER CLD		
					DIRECTORY CLD								SDL CLD	
UNLUSR MAR			COPY CLD			EDT CLD	INIT CLD				MOUNT CLD	RENAME CLD		
								MAIL CLD					SEARCH CLD	